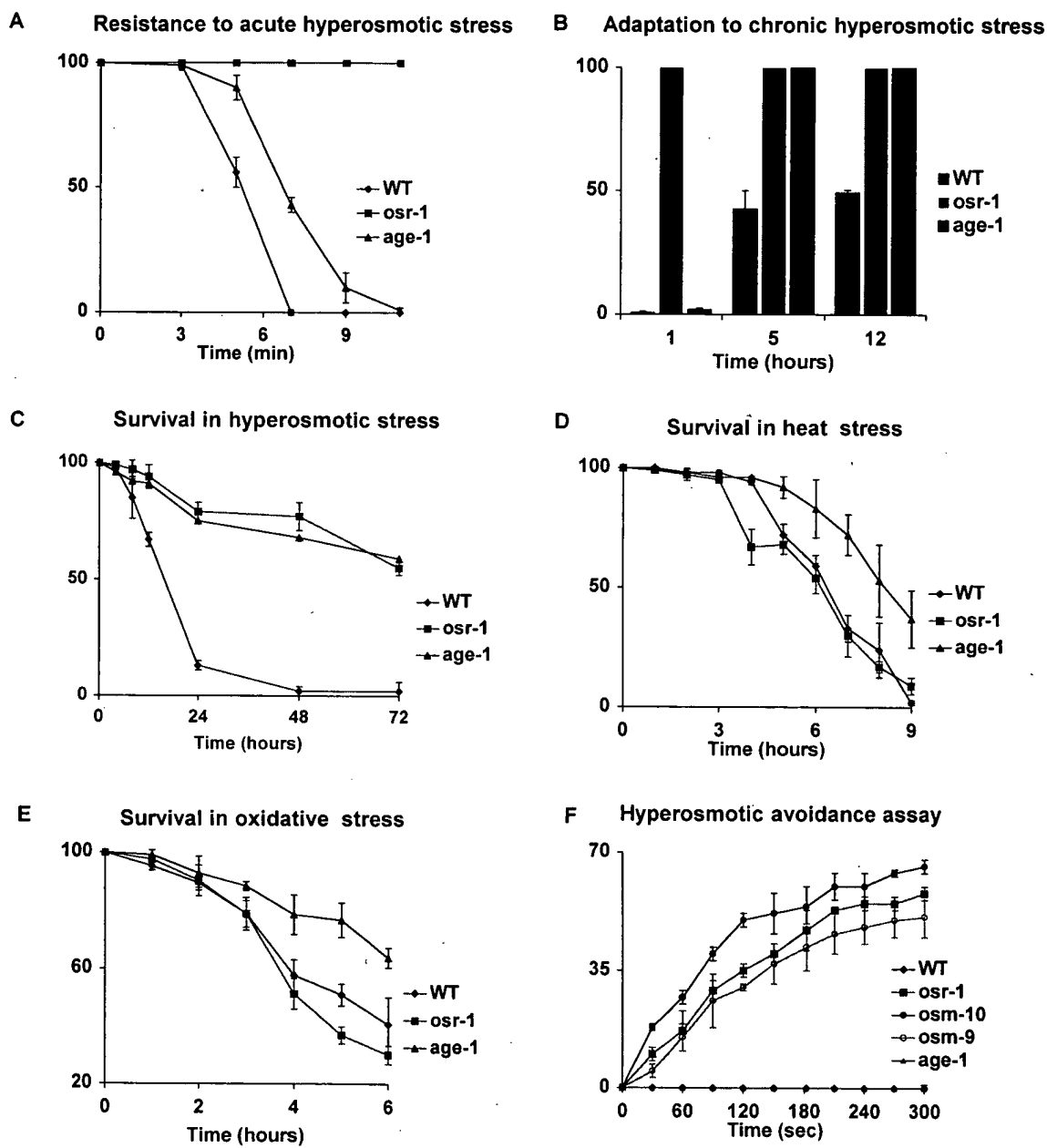
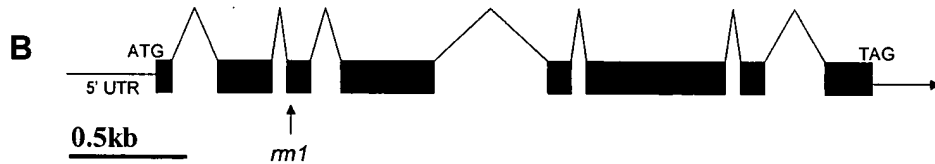
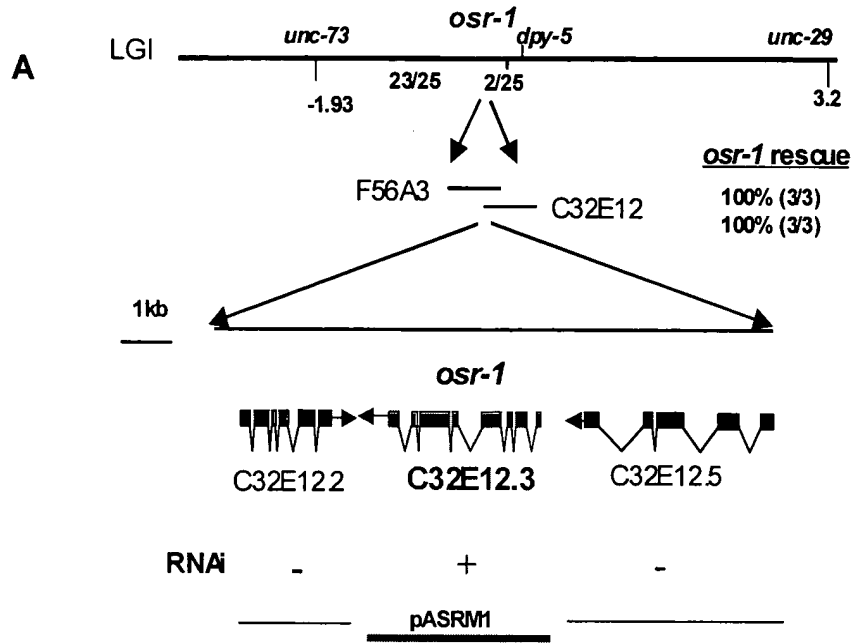


**Figure 1**



**Figure 2**

Figure 3



**C**

MILFLFLLLGFCIAPLSAQSPSTSDAPGALLSSLVGKSHQKLPLAPSME  
 ALELMGVQFVDALIKKGQMEMAKGAFKTQLEVLEKVHPDQFDKYKKLK  
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 QRDMENTDPSEQIAKAVMDKFQTQILPGLVANMIA GKNPFKMPQQMRKA  
 QAAPSSVFQQALAQRAMLGKNAPVAGGRGEEQRMNNRVDQRMQORE  
 LQEEDEDDDDLEDEDVPRRRSSDGEPQSEAEHQRRDLARRLKSSPRLKEL  
 LQNAEVQSLLSYQRMRDSPLSKRRPLAMNDEDESAFRAMEARAKLDQKS  
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 LKSALDRIKYRVDDVEKYLAPKPMFNPQPGYFAPRKIPTRPRKMLPLL  
 IGSDPKVQEEIRRHSTEWKIAKESRVLTNLKNPPLAALFMDDKLENTLK  
 GRQMLTDEQKGRTRVKTIRALPRLFGAPTAKAEMIDAKVFQDIEERPPIPLF  
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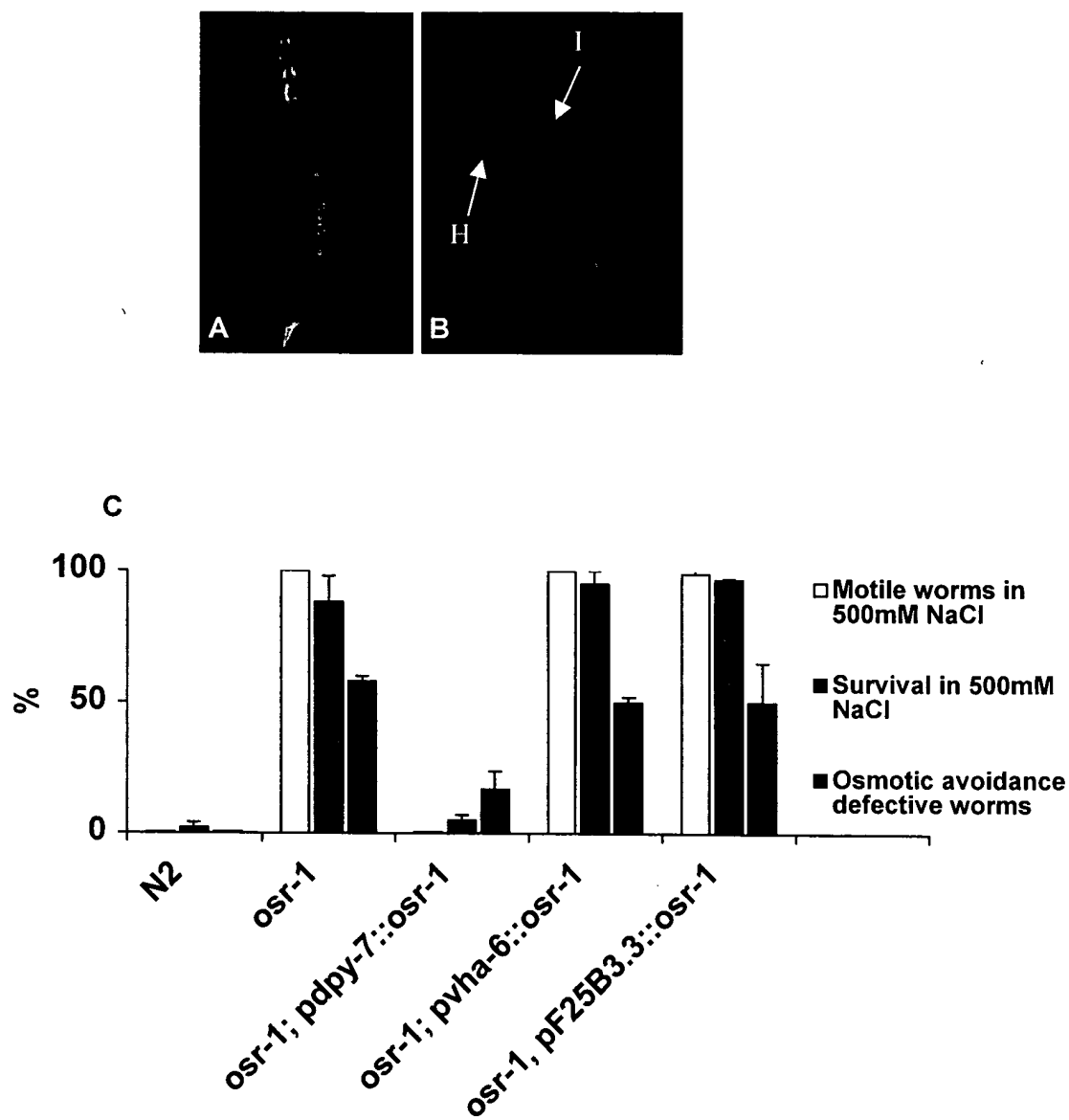
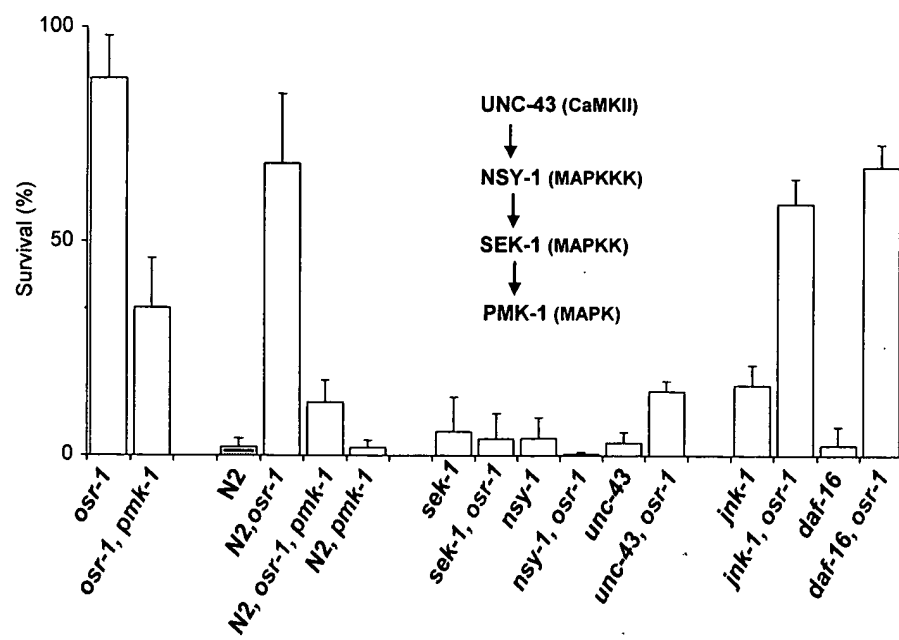


Figure 4



**Figure 5**

# Osr-1 sequence

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gaaatggagcatttgatattgcctgca ctgggattgtag

Figure 6

FIGURE 7

DAF-16 nucleotide

1 ctcaaagcca atcaactcta ctacttttct ttcagaacct taactttttg tgtcactttc  
 61 cccaaaaaac gttcaagctg ctgccttcac tctcatcccc tctctttact ctttctttct  
 121 cgtccgctac tactgtatct tctggacatc tacctgtata cacaccagtg gccagtcacg  
 181 tgccattaca atttcatcaa ttgacacttc ttcaacaaca accgccgtcc tcattcactc  
 241 ccgattcttc ctcatcctca acatcgctcg ctttggtgga aattcccga gacgttatga  
 301 tggagatgct ggtagatcag ggaactgatg catcgtcacg cgcctccacg tccacctcat  
 361 ctgtttcagag attcggagcg gacacgttca tgaatacacc ggatgatgtg atgatgaatg  
 421 atgatatgga accgattcct cgtgatcggt gcaatacgtg gccaatgcgt aggccgcaac  
 481 tcgaaccacc actcaactcg agtcccatta ttcatagaaca aattcctgaa gaagatgctg  
 541 acctatacgg gagcaatgag caatgtggac agctcggcgg agcatcttca aacgggtcga  
 601 cagcaatgct tcatactcca gatggaagca atttctcatca gacatcggtt ccttcggaaa  
 661 tgtccgaatc gccagacgat accgtatcgg gaaaaaagac aacgaccaga cggaaacgctt  
 721 ggggaaatat gtcatatgct gaacttatca ctacagccat tatggctagt ccagagaaac  
 781 ggttaactct tgcacaagtt tacgaatgga tgggtccagaa tgttccatac ttcagggata  
 841 agggagattc gaacagttca gctggatgga agaactcgat ccgtcacaat ctgtctcttc  
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 961 atccagatgc aaagccagga aggaatccac ggcgtacacg tgaacgatcc aataatttg  
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 1381 atgcaactac tcatattggt ggagttcaga ttaagcagga gtcgaagccg attaagacgg  
 1441 aaccaattgc tccaccacca tcataccacg agttgaacag tgtccgtgga tcgtgtgctc  
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 1921 cctacacaca ctcaacgatc atcacagcca gaccatcaat attcttccaa attttgacgt  
 1981 cgtttaatttt ttttcagttt tttcaaaaac tctattttct attttctgtc gtttgttccc  
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 2341 ctcttgtaat tctttaattt tctctttttt tttccccctg gtagcaaagt tctagcgatt  
 2401 ctctttcttt ttttgtttaa ctttcacatc tggccgattc gaatcctccg tatacacaca  
 2461 cacatagtaa tctacctcca aaattttact gaaagatgtg atccccctc tgtctccctc  
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 2701 cagtcttgca atttcagaga atgattttca gatttttcat atcacaggcc cccttttttt  
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 2821 tggtatcctg tacattttcc ttccaattct ttctggctat ttctgatttt cgagttcata  
 2881 ttctctacgt ctcaactttc ctgcgcgccac gcccccttt tcgtctccct ccgcccccaa  
 2941 atatatttgc gactgtatga tgatgatgat gatttaataa aatcaaatt tga

## Daf-16 protein sequence

MNDSIDDDFP PEPRGRCYTW PMQQYIYQES SATIPHHHLN QHNNPYHPMH PHHQLPHMQQ  
LPQPLLNLNM TTLTSSGSSV  
ASSIGGGAQC SPCASGSSTA ATNSSQQOQT VGQMLAASVP CSSSGMTLGM SLNLSQGGGP  
MPAKKKRCRK KPTDQLAQKK  
PNPWGEESYS DIIAKALESA PDGRLKLNEI YQWFS DNIPY FGERSSPEEA AGWKNSIRHN  
LSLHSR FMRI QNEGAGKSSW  
WVINPDAPKG RNPRTRE RS NTIETTTKAQ LEKSRRGAKK RIKERALMGS LHSTLNGNSI  
AGSIQTISHD LYDDDSMQGA  
FDNVPSSFRP RTQSNLSIPG SSSRVSPAIG SDIYDDLEFP SWVGESVPAI PSDIVDRDQ  
MRIDATTHIG GVQIKQESKP  
IKTEPIAPPP SYHELNSVRG SCAQNPLLRN PIVPSTNFKP MPLPGAYGNY QNGGITPINW  
LSTSNSSPLP GIQSCGIVAA  
QHTVASSAL PIDLENLTLP DQPLMDTMDV DALIRHEL SQ AGGQHIHFDL

## Age-1 nucleotide sequence

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61 gaacgcccat cgctggagac cgagaatggc aaaggatcgc tgctcctgga aaatgaaggt  
121 gtgcagata tcatcactat gtgtccattc ggagaagtta ttagtgtagt atttcctgtg  
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421 aacagggata aagaattaat gagtgatata agtcattgtc taggatactc actggataaa  
481 ctggaagaga gcctcgatga ggaactccgt caatttcgtg cttctctctg ggctcgtagc  
541 aagaaaacgt gcttgacacg tggacttgag ggtaccagtc actacgcgtt cccgaagaa  
601 cagtacttgt gtgttggtga atcggtgccg aaagatttgg aatcaaaagt caaggctgcc  
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721 aaaatgatga agattcaa at tgaattcaat ccgaacgaaa ctccgaaatc tctgcttcac  
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901 acgtcttatg atggtgtccg ttccgaaactg gaaagctatc gatgccctgg attcgttggt  
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2221 cgtatctcac ttctgatgga agcttacctc cgtggaaatg aagagcacat caagatcatc  
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 3421 cacgcagtca aacactactg a

#### Age-1 protein sequence

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 FLANVRTSLE IKLSDFKHQL  
 FELIAPMKWG TYSVKPQDYV FRQLNNFGEI EVIFNDDQPL SKLELHGTFP MLFLYQPDGI  
 NRDKELMSDI SHCLGYSLDK  
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 KLSYQMFWRK RKAERINGVCE  
 KMMKIQIEFN PNETPKSL LH TFLYEMRKLD VYDTDDPADE GWFLQLAGRT TSVTNPDVKL  
 TSYDGVRSSEL ESYRCPGFVV  
 RRQSLVLKDY CRPKPLYEPH YVRAHERKLA LDVLSVSIDS TPKQSKNSDM VMTDFRPTAS  
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 LLRAEIALRL DCDLKSEYR RISLLMEAYL RGNEEHIIKII TRQVDMVDEL TRISTLVKGM  
 PKDVATMKLR DELRSISHKM  
 ENMDSPLDPV YKLGEMIIDK AIVLGS AKRP LMLHWKNKNP KSDLHLPFCA MIFKNGDDL R  
 QDMLVLQVLE VMDNIWKAAN  
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 AGIYEEAFNG SWSTKTNWLF HAVKHY